

Product Datasheet

GB4431 - TRIS hydrochloride

Product Details

Product Name	TRIS hydrochloride
Glenthams Code	GB4431
CAS Number	1185-53-1
EINECS	214-684-5
Numéro MDL	MFCD00012590
PubChem SID	310281438
Related Categories	Biochemicals, Buffers, Raw Materials (IVD), Reagents for Gel Electrophoresis of DNA/RNA, Reagents for Gel Electrophoresis of Proteins, Reagents for Cell Culture, Reagents for Northern and Southern Blotting, Reagents for Western Blotting

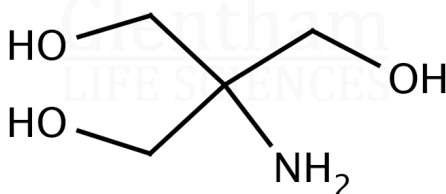
Glenthams Product Specification

Physical Description	: White to off-white crystalline powder or crystals
Identification (IR)	: To conform to standard
Solubility (20% in water)	: Clear, colourless solution
pH (0.5M in water, 25°C)	: 3.5 - 5.0
Melting Point	: 149.0 - 153.0 °C
UV Absorbance (1M in water)	: ≤ 0.060 (260nm)
	: ≤ 0.050 (280nm)
Heavy Metals (as Pb)	: ≤ 5ppm
Assay (Titration)	: 99.0 - 101.0 % (dried basis)
Version	: v1.1

Structure

Molecular Weight : 157.60
Molecular Formula : $C_4H_{11}NO_3 \cdot HCl$

HCl



About TRIS hydrochloride

The hydrochloride salt of TRIS, also known as tromethamine hydrochloride, is a biological buffer that we supply as a white crystalline powder. TRIS hydrochloride is an important component of buffer solutions and gives an acidic pH when dissolved into water. It is an essential buffer for the biochemistry and molecular biology lab.

Storage

Recommended storage temperature: +20°C.

Hazards and Transport

Not classified as hazardous under CLP.
Not classified as dangerous for transport.

This document was generated electronically and is therefore valid without signature. © Glenthams Life Sciences Ltd, 2025